



Emission Reduction Efforts



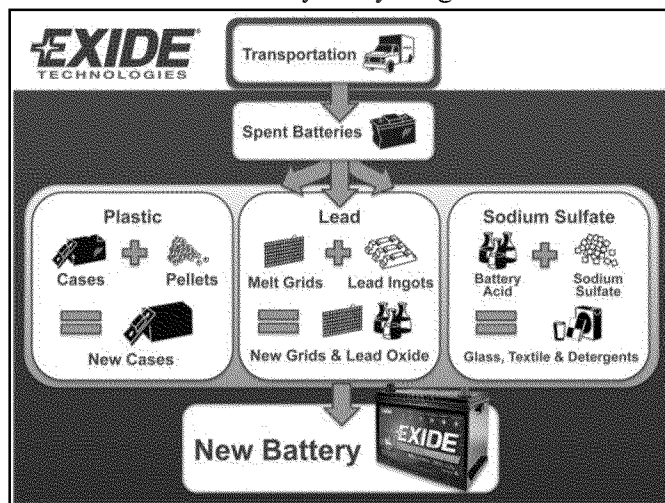
Our Efforts

- We take our responsibility seriously
- We have been and are working collaboratively with AQMD
- We have been and are implementing measures to control emissions



Type of Operation

Battery Recycling

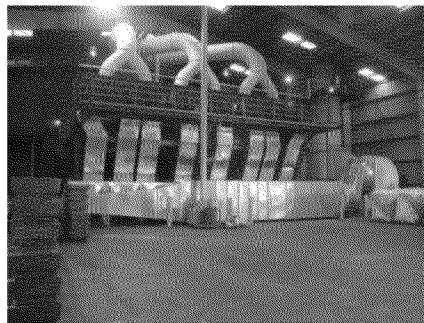
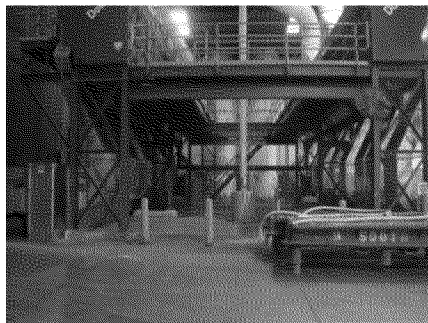


EXIDE
TECHNOLOGIES

Previous Steps Completed to Reduce Lead Emissions

Secondary HEPA Filters

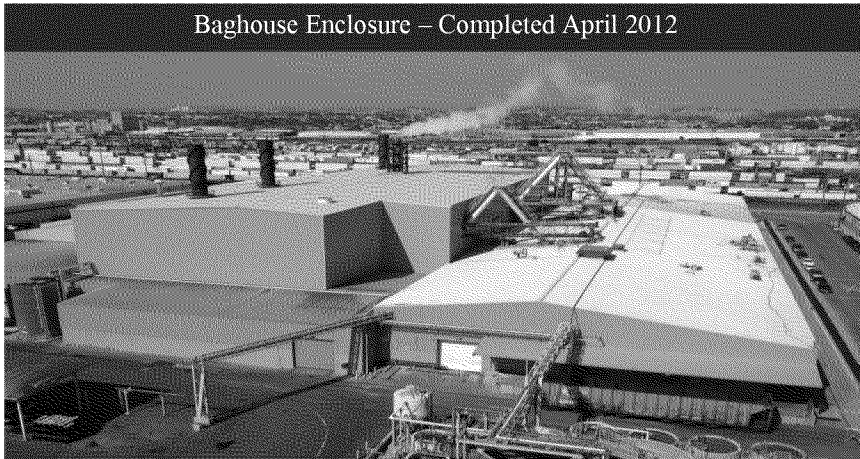
Completed in 2011



EXIDE
TECHNOLOGIES

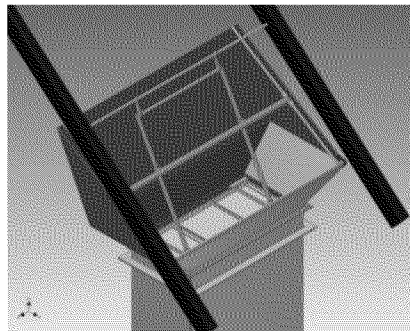
Previous Steps Completed to Reduce Lead Emissions

Baghouse Enclosure – Completed April 2012



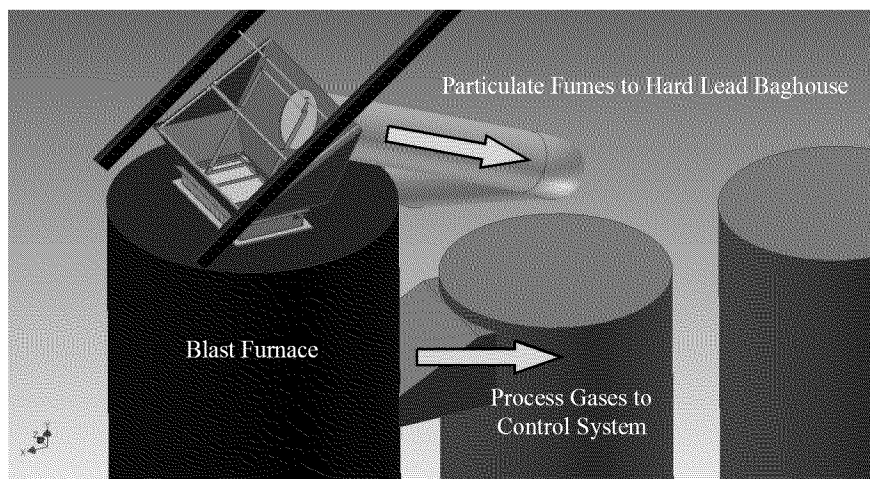
HRA Timeline and Response

- January 2013
 - HRA Submitted
- March 2013
 - HRA Approved
 - Proposal for Solution
 - Permits to install expedited
- April – Door Installed
- May – Preliminary Test Results Complete



Steps Taken to Reduce Emissions

Blast Furnace Modifications



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Preliminary Door Results

- Testing of Emissions from the Hard Lead Stack conducted over four days in April
- Tests conducted for key compounds driving HRA-calculated risks, including arsenic
- Preliminary tests found isolation door reduced emissions from Hard Lead Stack
- However, these tests must be confirmed by full protocol under typical operation conditions as required by permit

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Future Planned Activities

- Confirm Isolation Door Testing
- Submit Risk Reduction Plan
- Mitigation Plan Steps include:
 - Add secondary HEPA filtration to Material Handling baghouse in 2013.
 - Modify existing HEPA filtration unit on battery breaker Demister/Scrubber in 2013 to improve effectiveness.

